

# METHOD FOR A DISPLAY CONTROLLER TO ACCESS DATA STORED IN A SYSTEM MEMORY OF A COMPUTER DEVICE

## Abstract

A method for a display controller to access data stored in a system memory of a computer device is disclosed. The method includes using a memory controller to set a block capacity value; using the memory controller to divide a plurality of read requests corresponding to a predetermined request sequence into a plurality of request groups, wherein a total amount of data required by read requests grouped in each request group is less than the block capacity value; and using the memory controller to adjust a request sequence corresponding to read requests grouped in each request group for retrieving data stored at different  $N$  pages so that a memory device only performs  $N-1$  page switching operations.